

Title (en)

Method and apparatus for cleaning elongate metal substrates, substrates cleaned according to this method and polymeric objects reinforced with such substrates.

Title (de)

Verfahren und Vorrichtung zur Reinigung von langgestreckten metallischen Substraten, Substrate gereinigt mit diesem Verfahren, und Gegenstände aus polymerem Material, verstärkt mit diesen Substraten.

Title (fr)

Procédé et appareil pour le nettoyage de substrats métalliques allongés, substrats nettoyés par ce procédé et objets en matériaux polymères renforcés par ces substrats.

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Application

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Abstract (en)

The invention relates to a method and apparatus for continuously cleaning a long metal substrate, such as a wire, a band, a cord, etc., the long substrate to be cleaned being led through a vacuum chamber, whereinto an inert sputtering gas, such as argon, is fed, and a sufficiently high voltage being maintained between the substrate as cathode and an anode present in the chamber so that an electric discharge takes place between the two electrodes, as a result of which the substrate is cleaned by inert gas ions precipitating on it during its passage through the vacuum chamber, and the anode being formed by at least one annular electrode, fitted in a long casing of heat-radiation transmitting material and the long substrate being led through the casing in longitudinal direction. The invention further relates to the thus cleaned metal substrates, as well as to the objects of polymer material reinforced therewith.

IPC 1-7

B08B 7/00; C23G 5/00

IPC 8 full level

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CPC (source: EP US)

B08B 7/0035 (2013.01 - EP US); **C23G 5/00** (2013.01 - EP US); **H01J 37/32431** (2013.01 - EP US)

Citation (search report)

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